

This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

1-17. (Canceled)

18. (Currently amended) A polynucleotide encoding a fusion protein, the fusion protein comprising;

- (i) ~~an immunogenic peptide, a native protein fragment or a particle, and,~~
- (ii) ~~at least one pan DR binding peptide selected from the formula $R_1-R_2-R_3-R_4-R_5$,~~

wherein:

R_1 is an amino acid followed by alanine or lysine;

R_2 is selected from the group consisting of tyrosine, or phenylalanine;

R_3 is 3 or 4 amino acids, wherein each amino acid is independently selected from the group consisting of alanine, isoleucine, serine, glutamic acid and valine;

R_4 is selected from the group consisting of threonine-leucine-lysine, lysine-threonine, or tryptophan-threonine-leucine-lysine (SEQ ID NO:16); and,

R_5 consists of 2 to 4 amino acids followed by an amino acid wherein each of the 2 to 4 amino acids is independently selected from the group consisting of alanine, serine, and valine (SEQ ID NOS:17-22, representing the pan DR binding peptide where R_4 in the pan DR binding peptide consists of tryptophan-threonine-leucine-lysine (SEQ ID NO:16)).

19. (Currently amended) An expression vector comprising the ~~The~~ polynucleotide of claim 18, ~~wherein the polynucleotide is comprised by an expression vector.~~

20. (Previously added) The polynucleotide of claim 18, wherein the fusion protein comprises multiple pan DR peptides.

21. (Previously added) The polynucleotide of claim 18, wherein the fusion protein comprises a homopolymer of pan DR peptides.

22. (Previously added) The polynucleotide of claim 18, wherein the fusion protein comprises a heteropolymer of pan DR peptides.

23. (Currently amended) The polynucleotide of claim 18, wherein the ~~immunogenic peptide, native protein fragment or particle~~ fusion protein further comprises a heteropolymer with repeating units.

24. (Currently amended) The polynucleotide of claim 18, wherein the ~~immunogenic peptide, native protein fragment or particle~~ fusion protein further comprises a T helper peptide.

25. (Currently amended) The polynucleotide of claim 18, wherein the ~~immunogenic peptide, native protein fragment or particle~~ fusion protein further comprises an antibody-inducing peptide.

26. (Currently amended) The polynucleotide of claim 18, wherein the ~~immunogenic peptide, native protein fragment or particle~~ fusion protein further comprises a CTL-inducing peptide.

27-65. (Withdrawn)
